

FIG. 1

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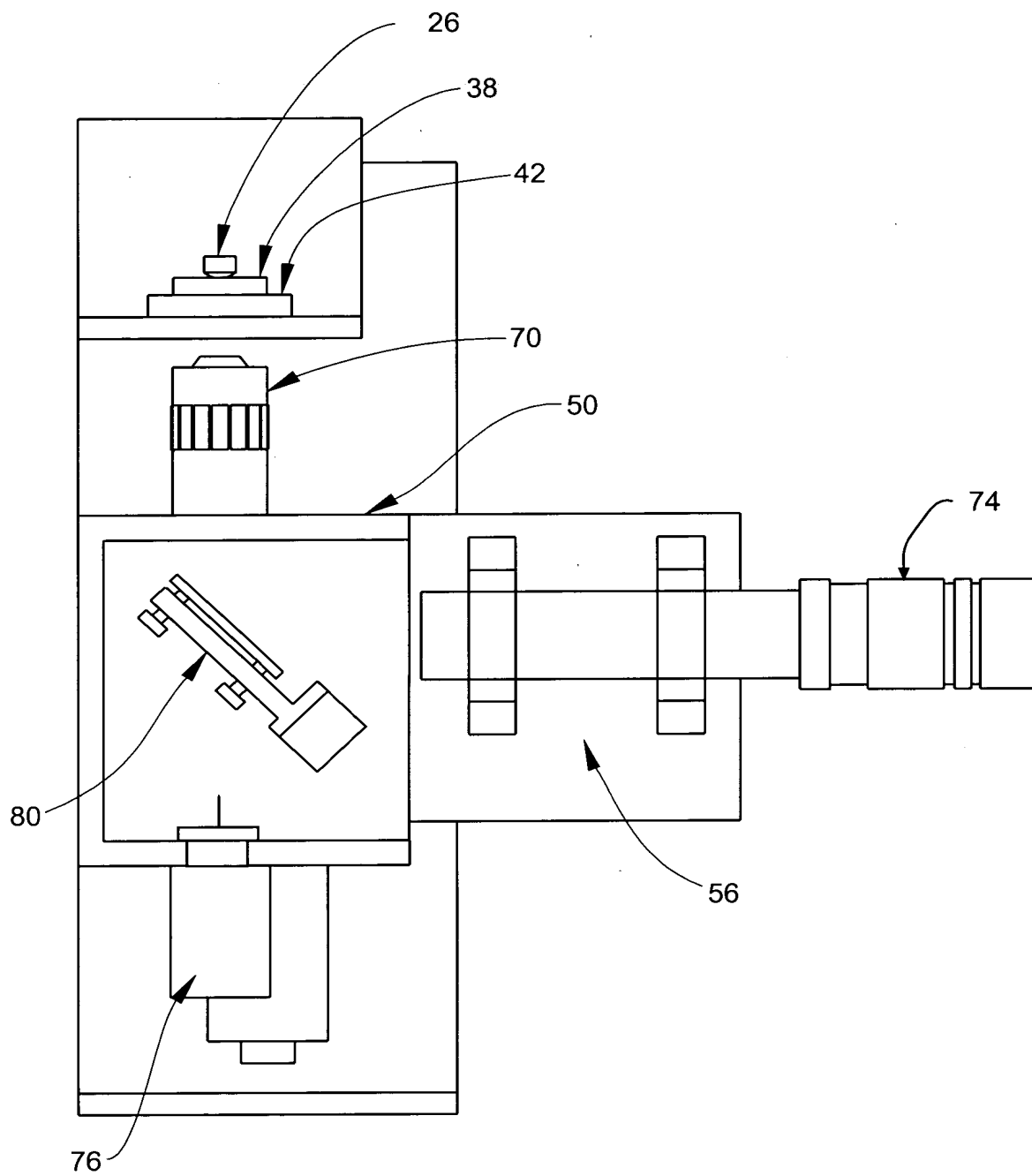


FIG. 2

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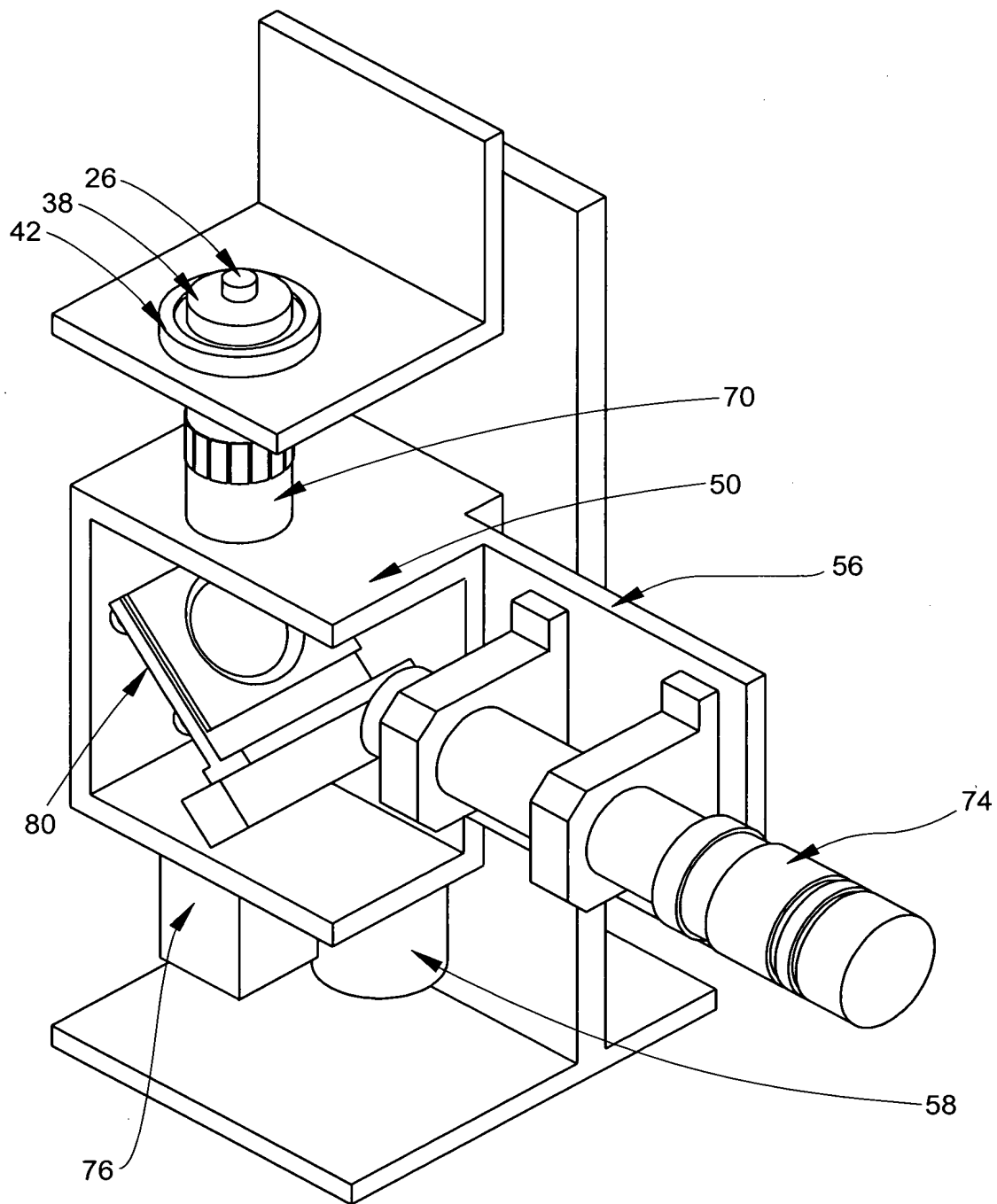


FIG. 3

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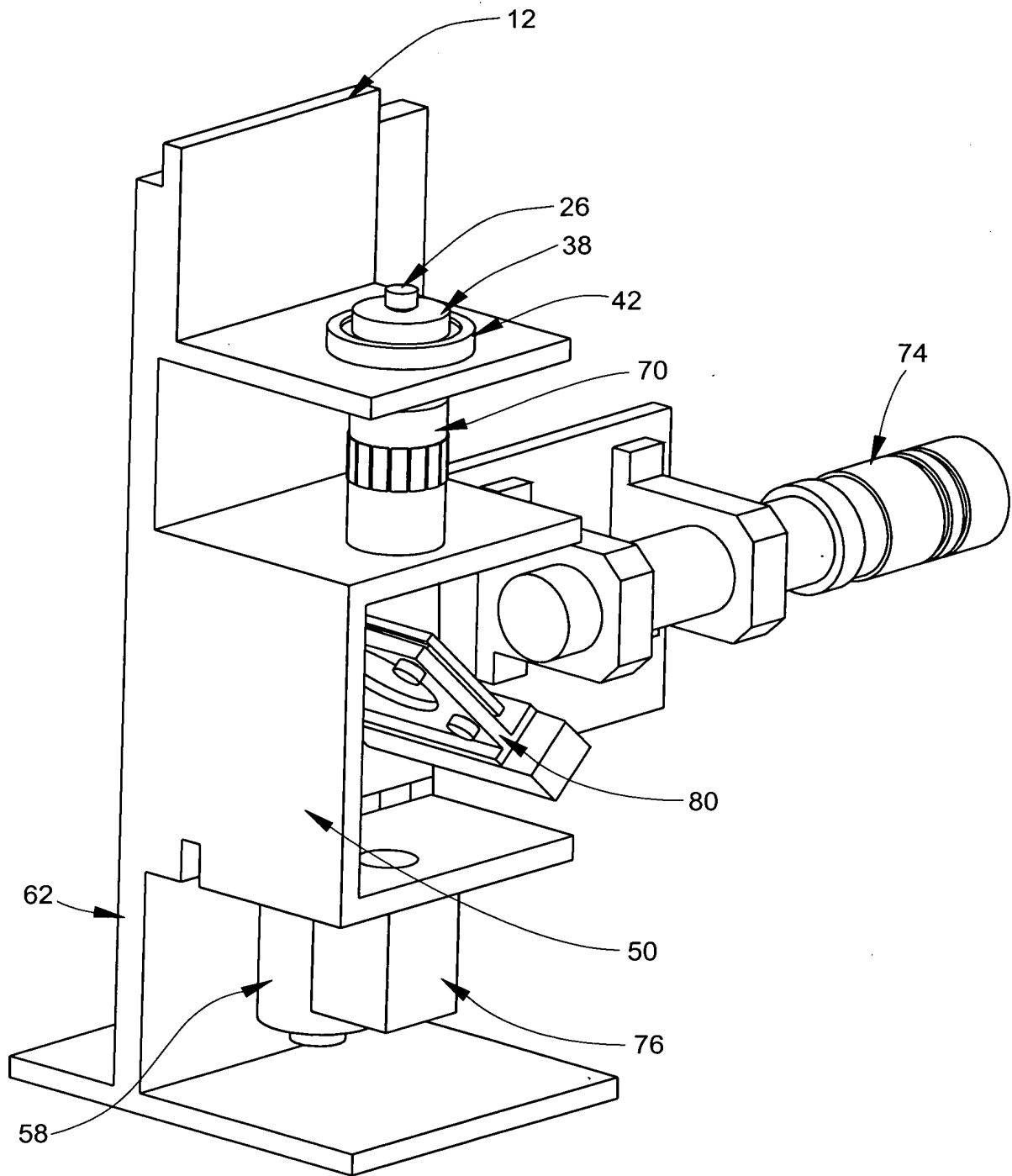


FIG. 4

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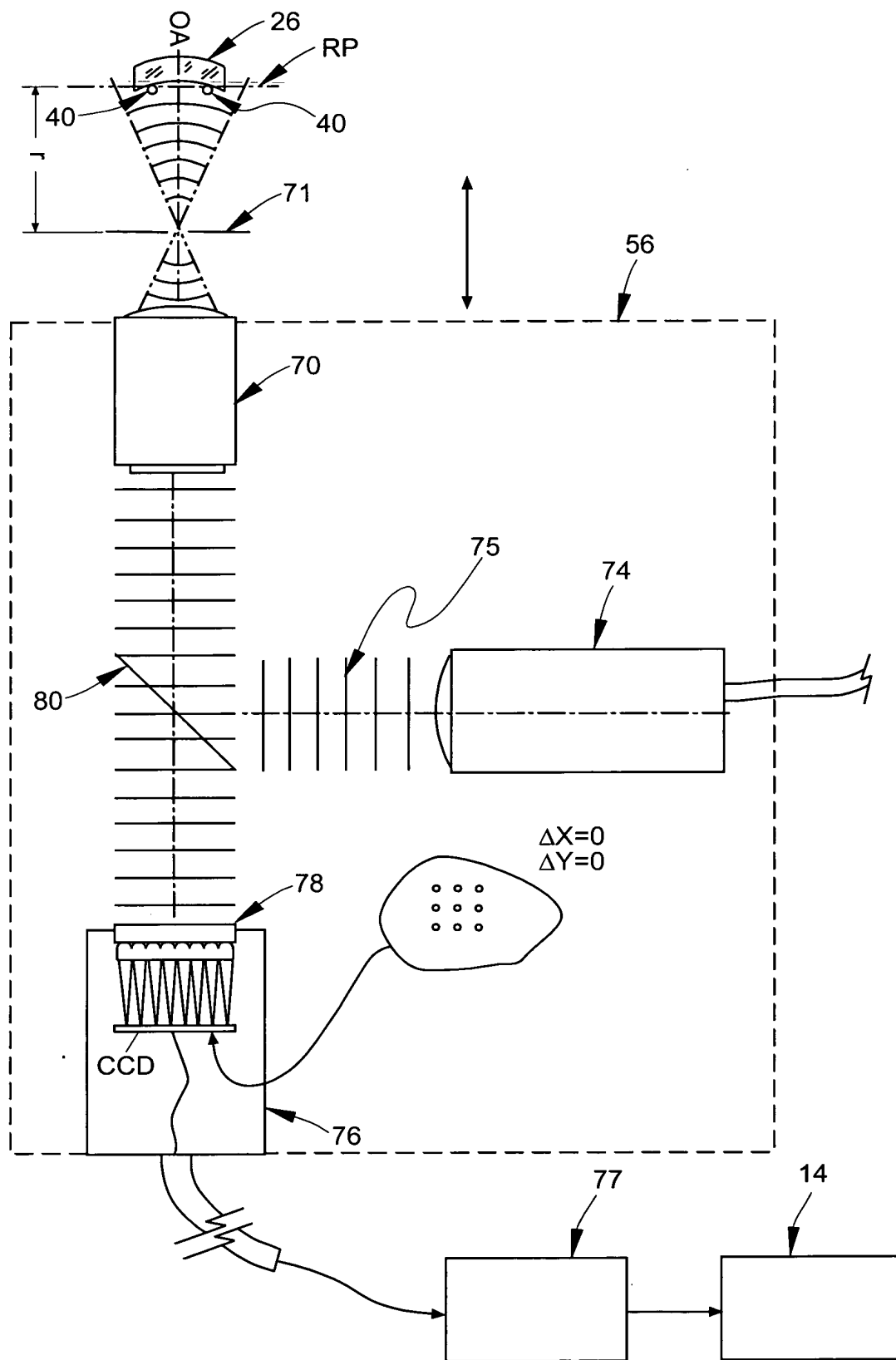


FIG. 5

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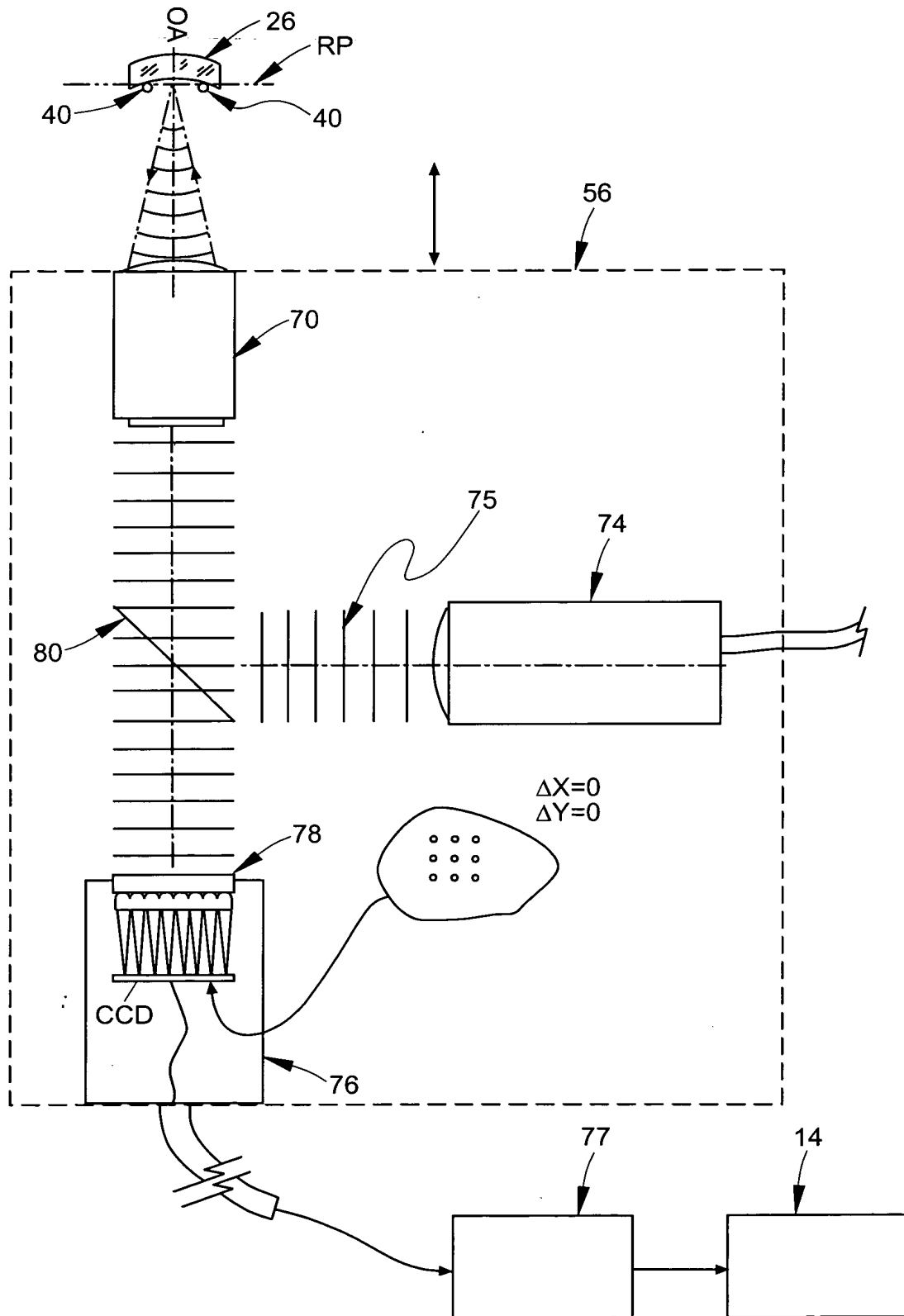


FIG. 6

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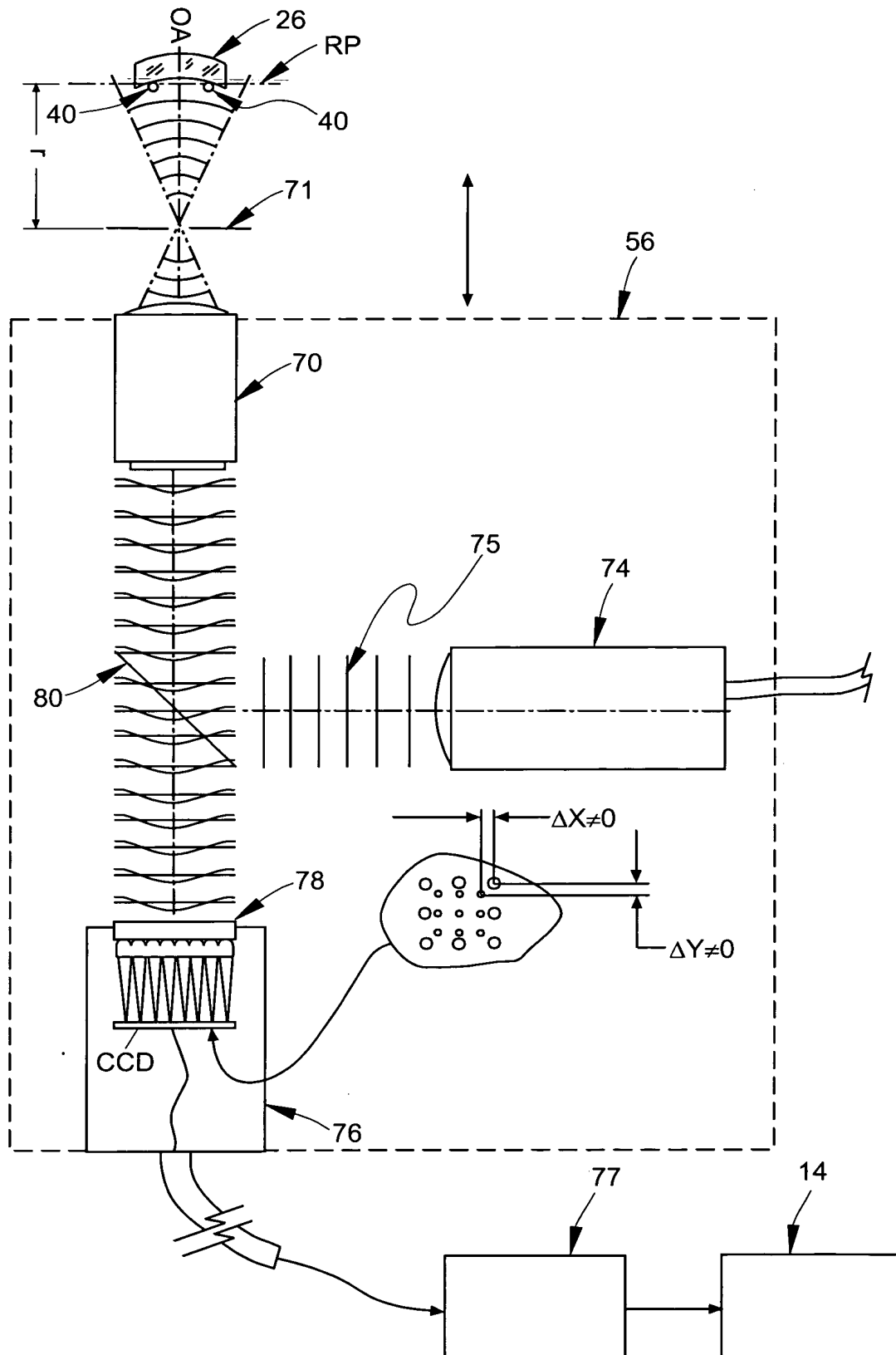




FIG. 7

THRESHOLD  
ADJUSTMENT

THRESHOLD

255 

38



0

PEAK LOCATION  
SEARCH PEAKS

PEAK

CENTROID

REFERENCE  
ADJUSTMENT

REFERENCE

LABEL

DRAWING

TRACES REDRAW

SAVE AS BASE  
COORDINATES

SAVE

DISPLAY  
CALCULATION

CALCULATE  
SHIFT

☐ POSITIVE  
SLOPE

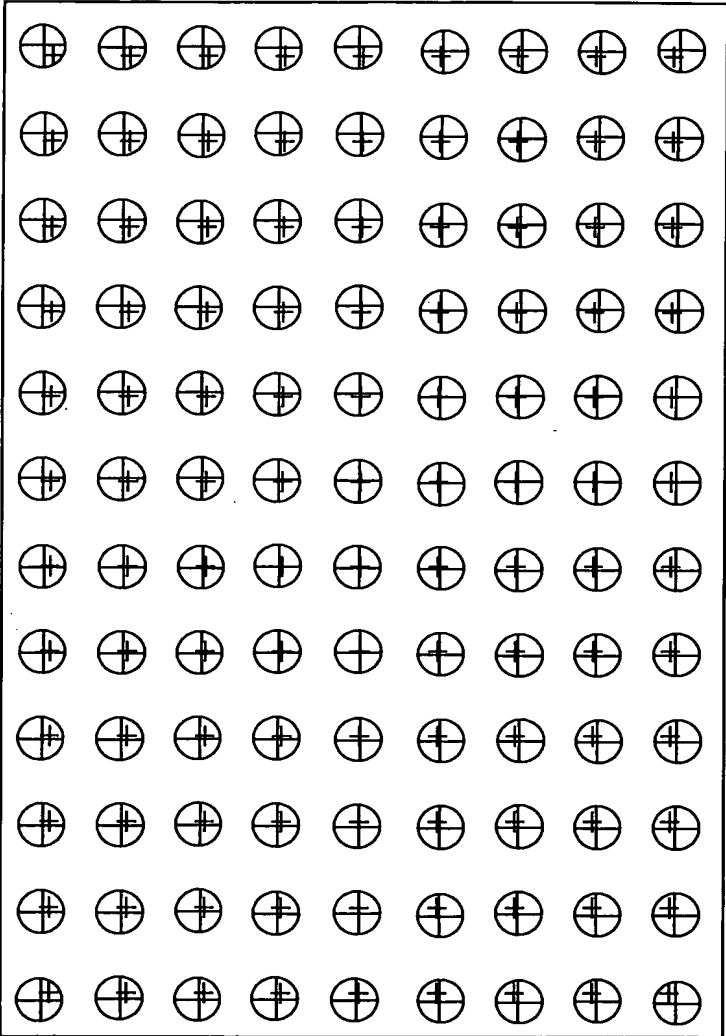


FIG. 8



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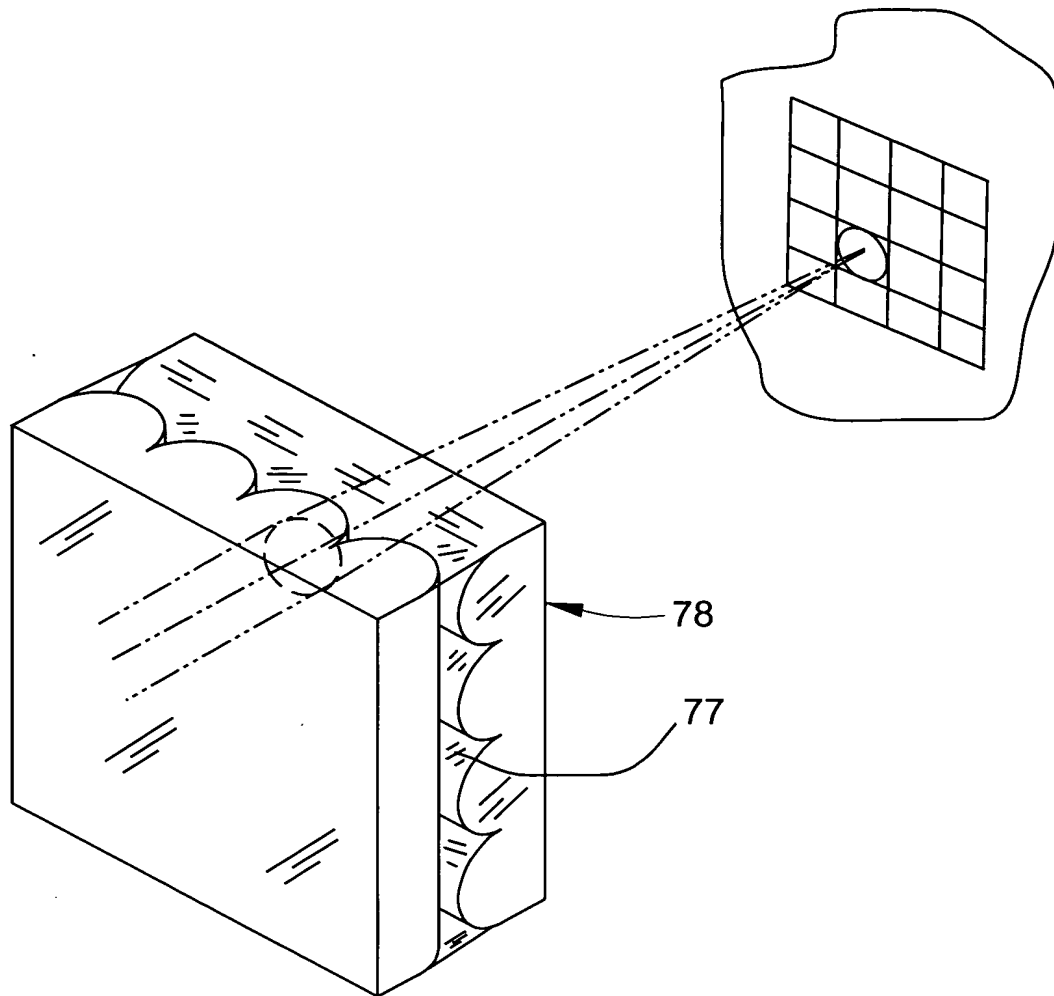


FIG. 9

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UNIT UNDER TEST <input type="radio"/> CONCAVE <input checked="" type="radio"/> CONVEX EXPECTED RADIUS <input type="text" value="8"/> mm 0-FOCAL LENGTH <input type="text" value="20"/> mm		CALCULATED RESULTS RADIUS <input type="text" value="8.00159"/> mm		MOTION CONTROL <input type="text" value="MOTOR..."/>		FRAME GRABBER CONTROL <input type="text" value="ACTIVE IMAGE"/>		DISPLAY TYPES <input checked="" type="checkbox"/> MESH <input checked="" type="checkbox"/> SHADED <input type="checkbox"/> CONTOURS <input checked="" type="checkbox"/> ZONES	
<input checked="" type="checkbox"/> TURN OFF LINEAR TERM		<input checked="" type="checkbox"/> TURN OFF FOURTH TERM		<input checked="" type="checkbox"/> MOVE OFFSET		OPERATIONS <input type="text" value="LOCATE FOCUS"/> <input type="text" value="LOCATE RADIUS"/> <input type="text" value="MEASUREMENT"/> <input type="text" value="SURFACE CONTOURS"/> <input type="text" value="MAPPING ORDER"/>			
<input type="checkbox"/> TURN OFF SECOND TERM		<input type="checkbox"/> DATA FILTERING		<input type="checkbox"/> SHOW RESULTS					
<input type="checkbox"/> TURN OFF THIRD TERM		<input type="checkbox"/> DEFOCUS POSITIVE		<input type="checkbox"/> SUBTRACT RESIDUAL					

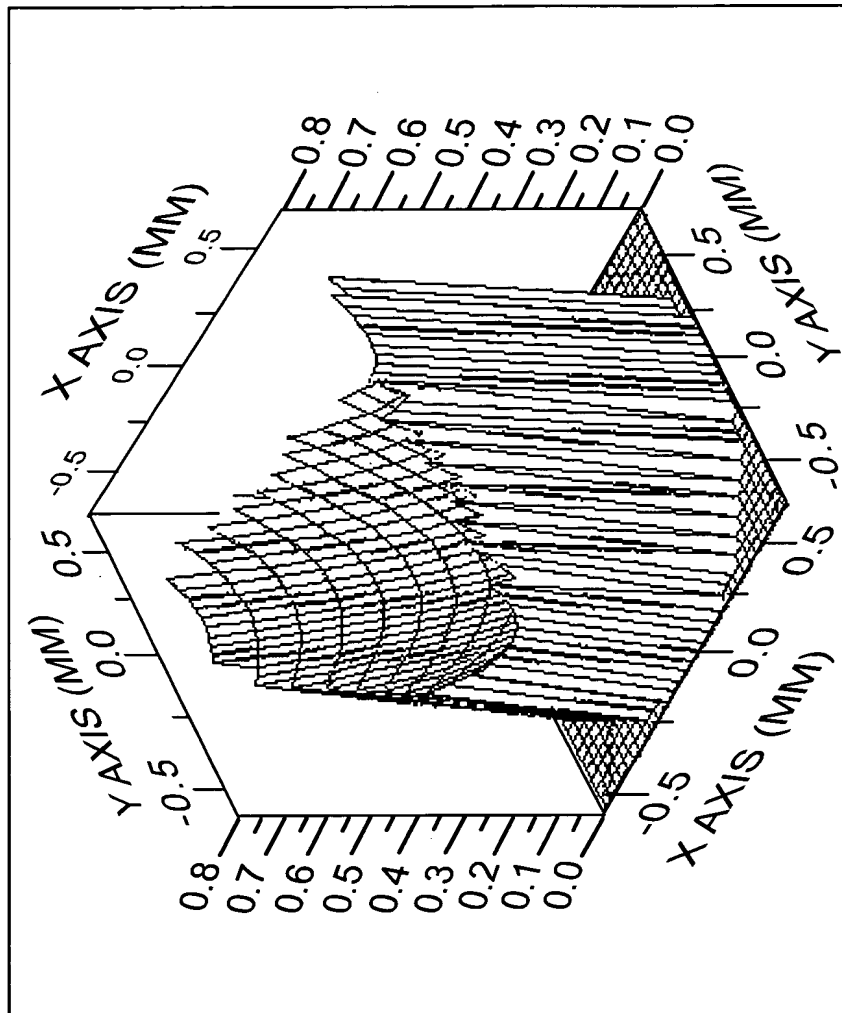


FIG. 10

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A 3D surface plot showing the measured intensity distribution. The vertical axis represents intensity, ranging from 0.0 to 0.4. The horizontal axes are labeled 'X AXIS (MM)' and 'Y AXIS (MM)', both ranging from -0.5 to 0.5. The surface shows a complex, multi-peaked distribution with a prominent central peak and several smaller peaks around it.

FIG. 11B

MAPPING AT DEFOCUS 200 MICRONS  
PEAK TO VALLEY VALUE: 0.677 MICRONS  
RMS VALUE: 0.366139 MICRONS

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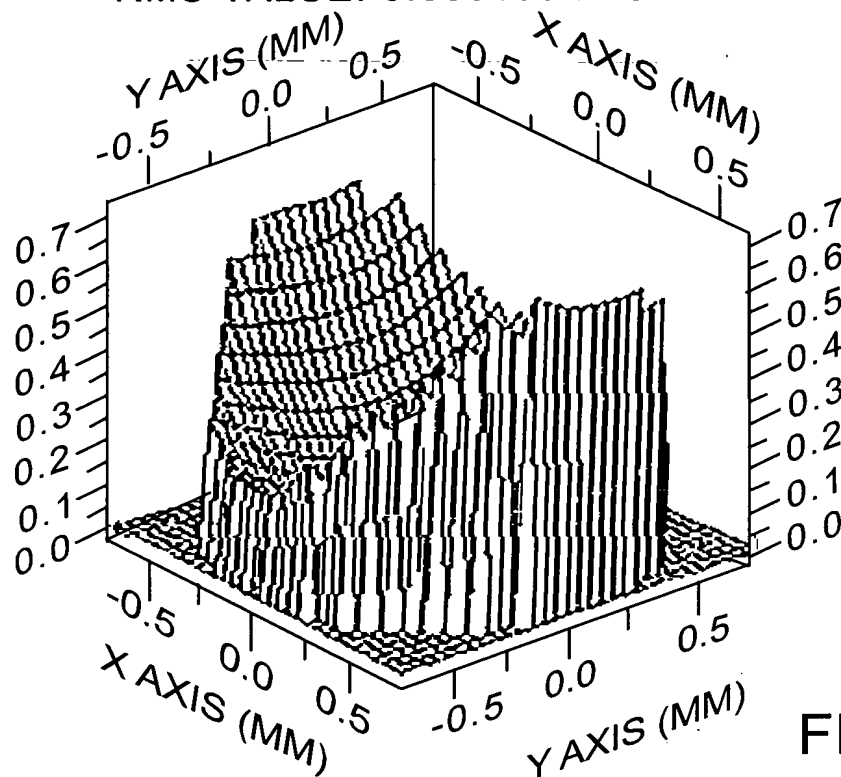


FIG. 11C

MAPPING AT DEFOCUS 300 MICRONS  
PEAK TO VALLEY VALUE: 0.835 MICRONS  
RMS VALUE: 0.515124 MICRONS

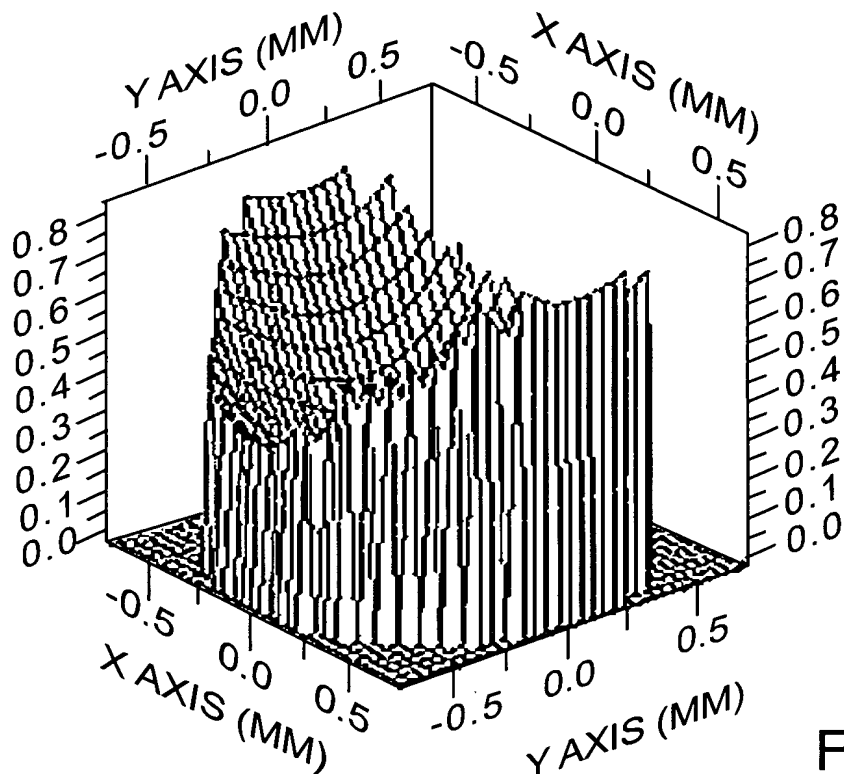


FIG. 11D

0067579-100300

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MAPPING AT DEFOCUS 0 MICRONS  
PEAK TO VALLEY VALUE: 0.611 MICRONS  
RMS VALUE: 0.133521 MICRONS

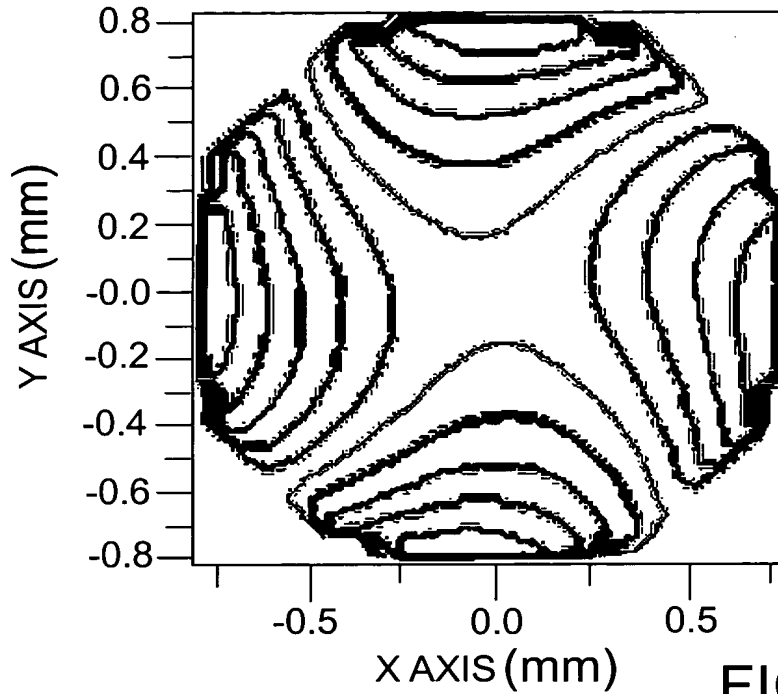


FIG. 12A

MAPPING AT DEFOCUS 100 MICRONS  
PEAK TO VALLEY VALUE: 0.565 MICRONS  
RMS VALUE: 0.238394 MICRONS

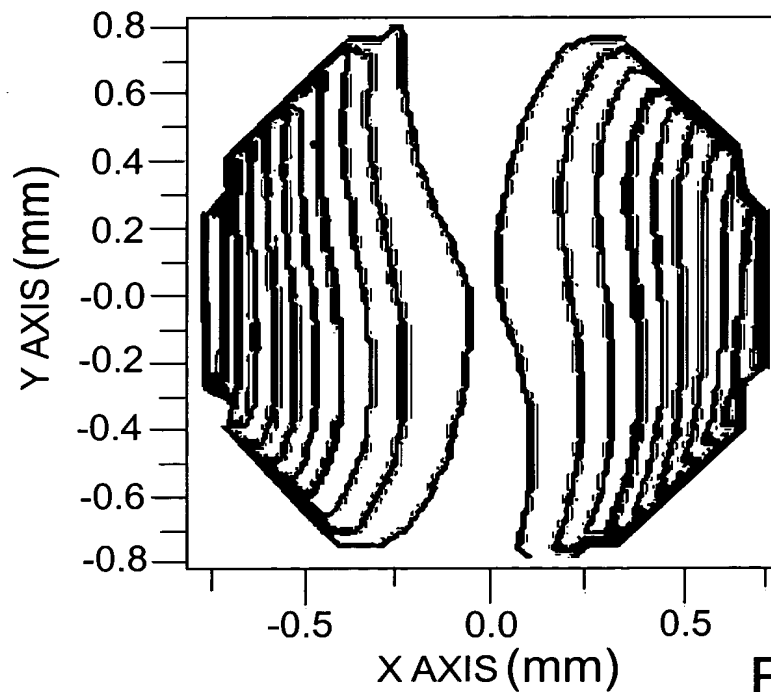


FIG. 12B

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MAPPING AT DEFOCUS 200 MICRONS  
PEAK TO VALLEY VALUE: 0.722 MICRONS  
RMS VALUE: 0.389452 MICRONS

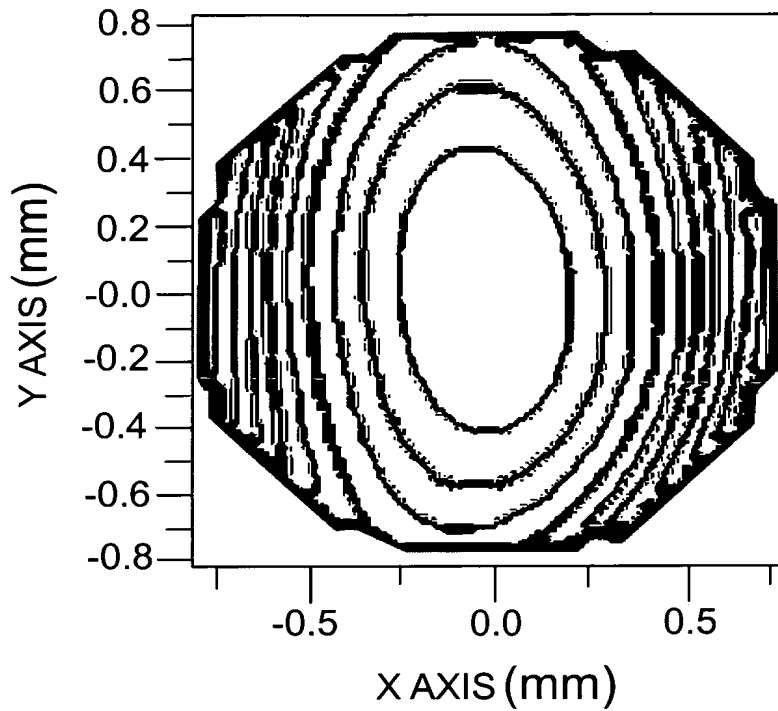


FIG. 12C

MAPPING AT DEFOCUS 300 MICRONS  
PEAK TO VALLEY VALUE: 0.835 MICRONS  
RMS VALUE: 0.515124 MICRONS

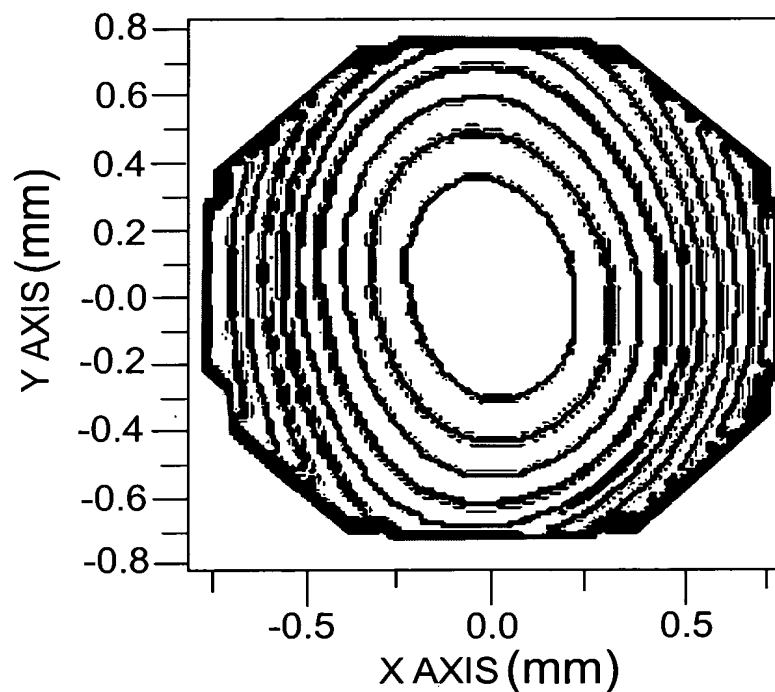


FIG. 12D

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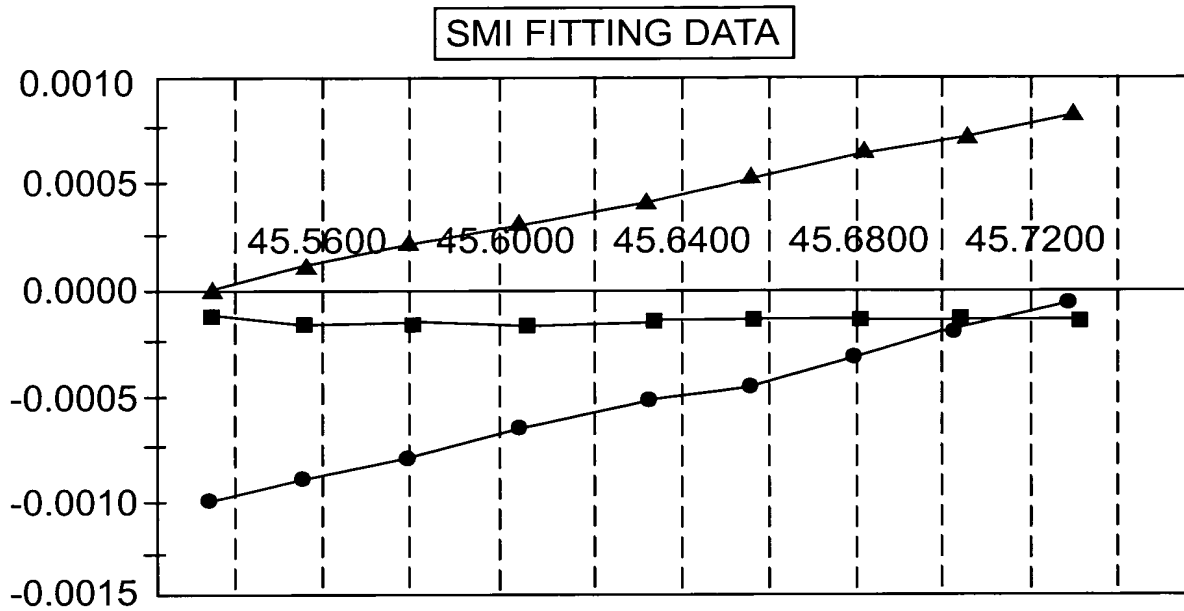


FIG. 13

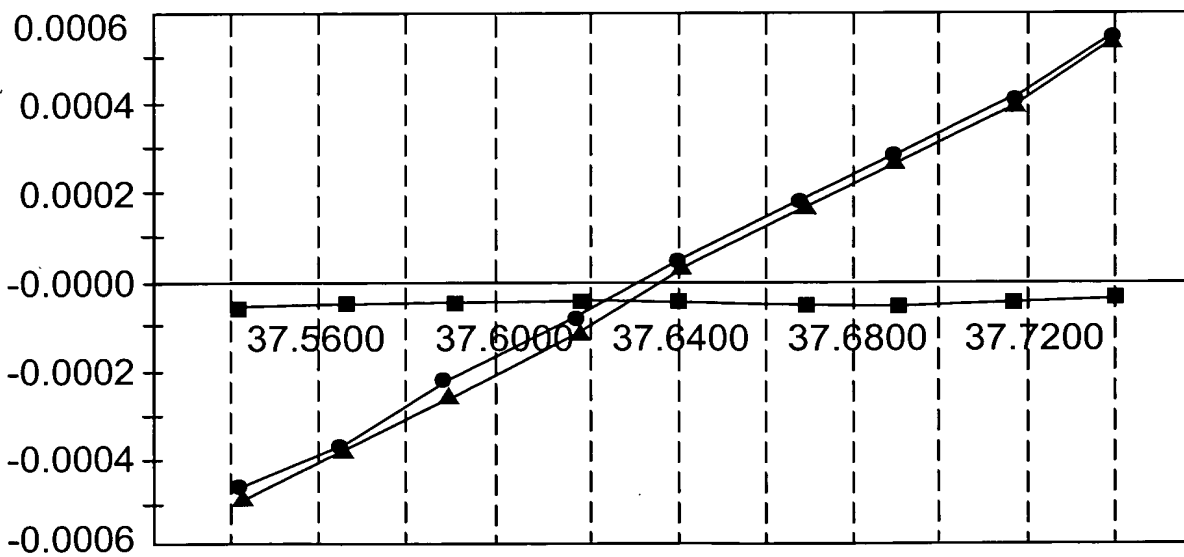


FIG. 14

FIG. 15



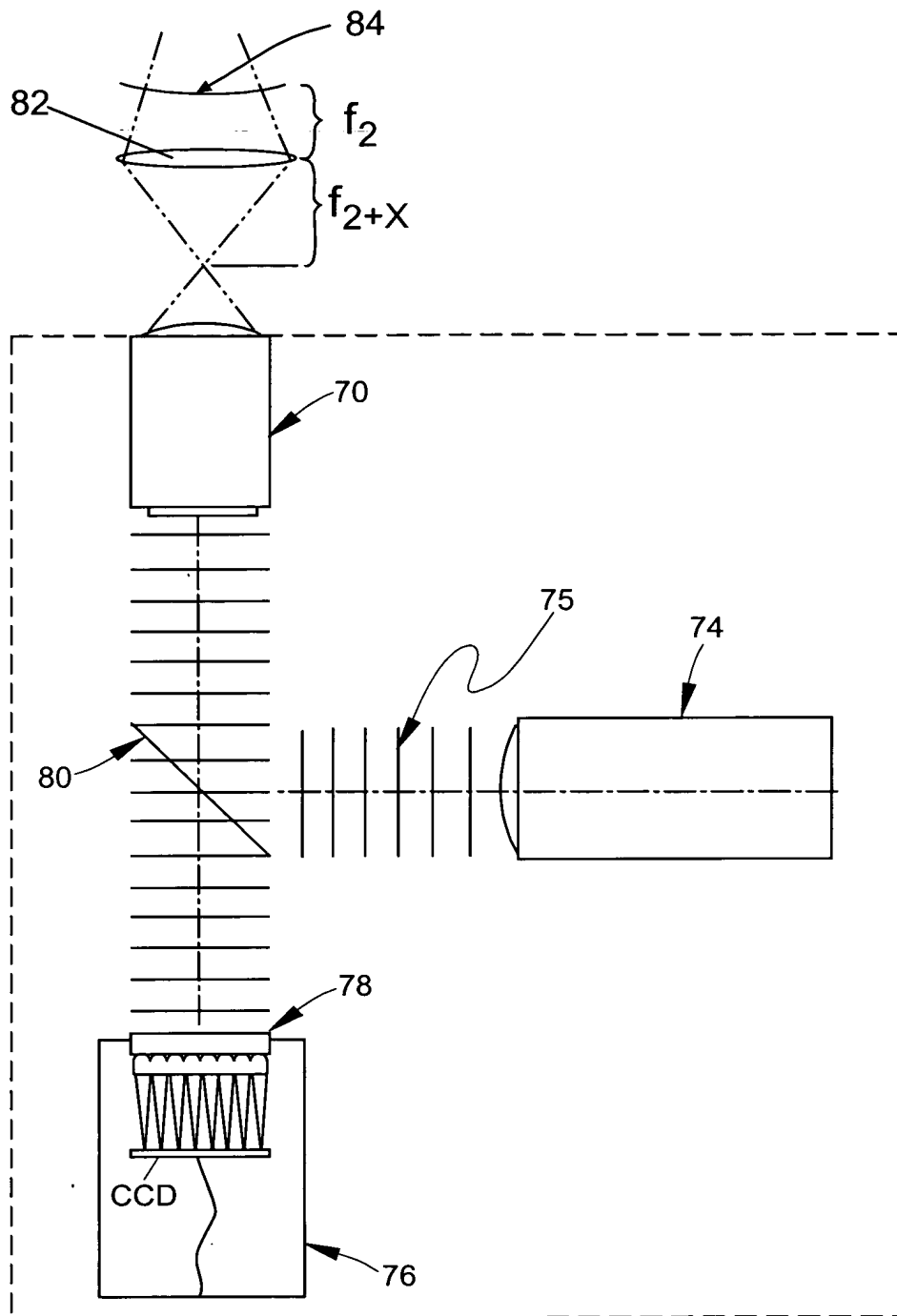


FIG. 16

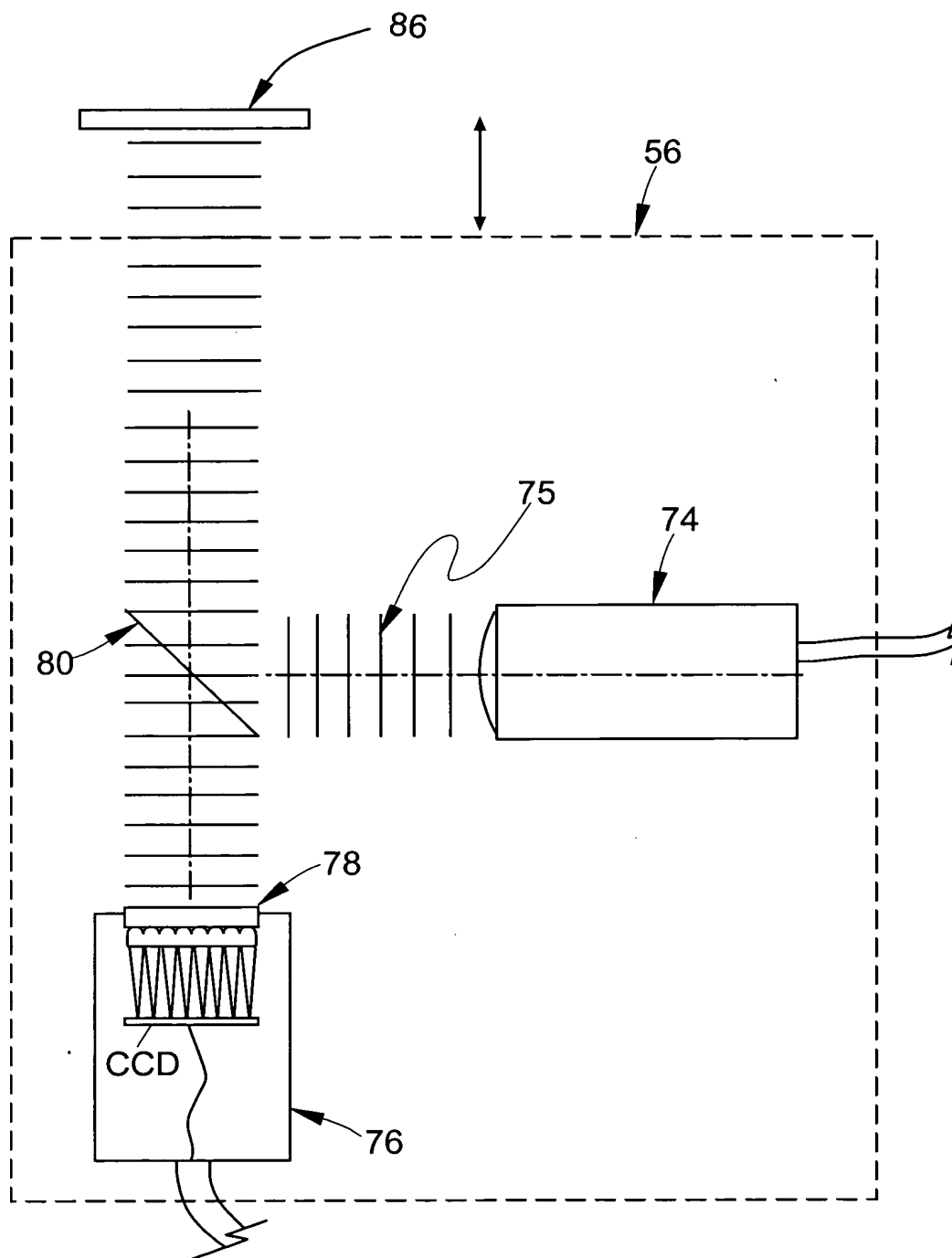


FIG. 17

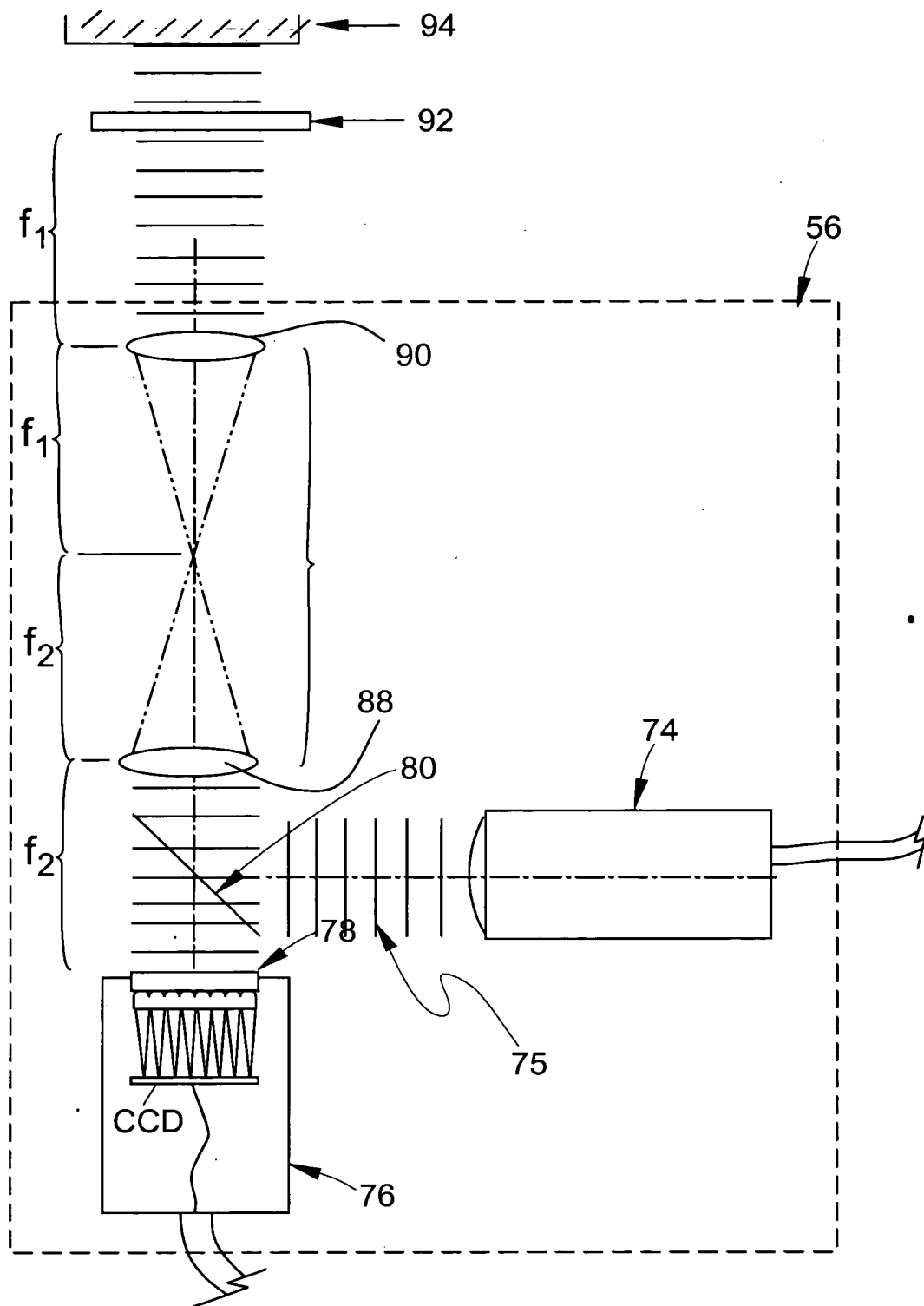


FIG. 18

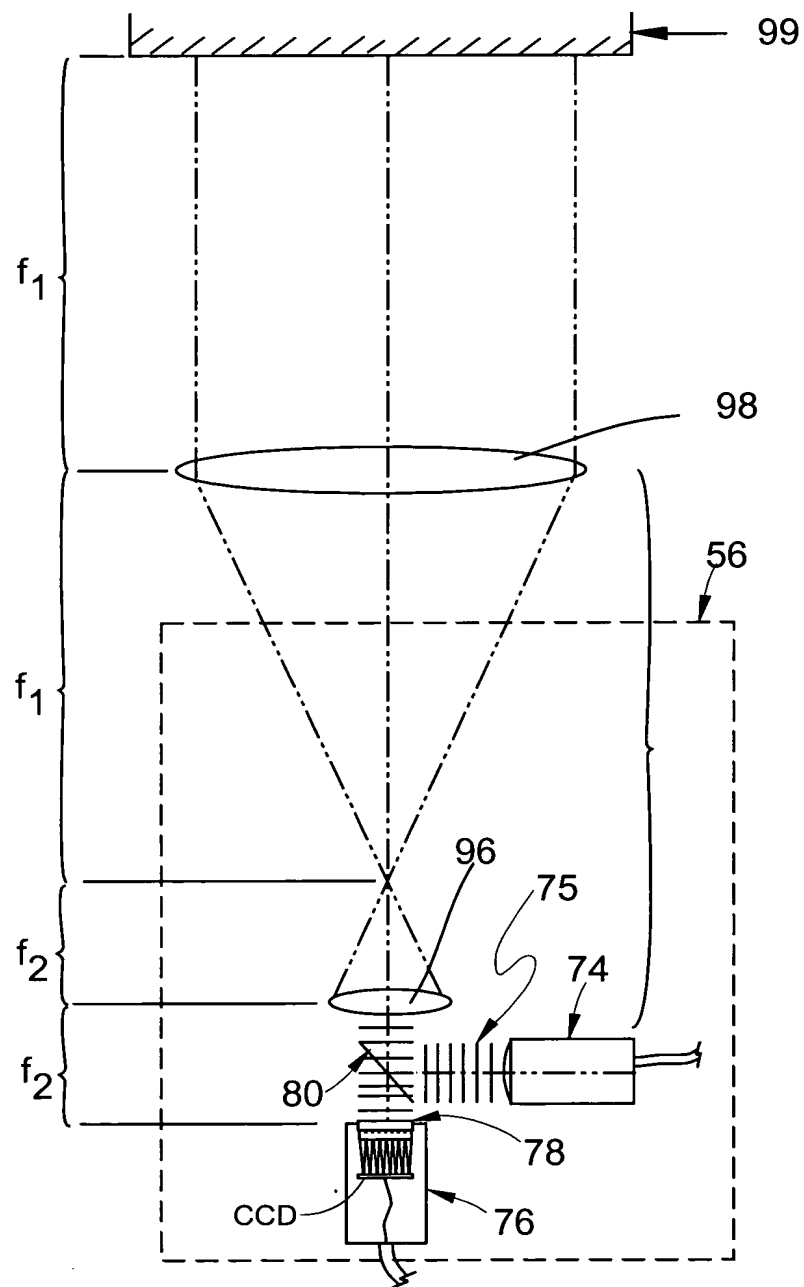


FIG. 19

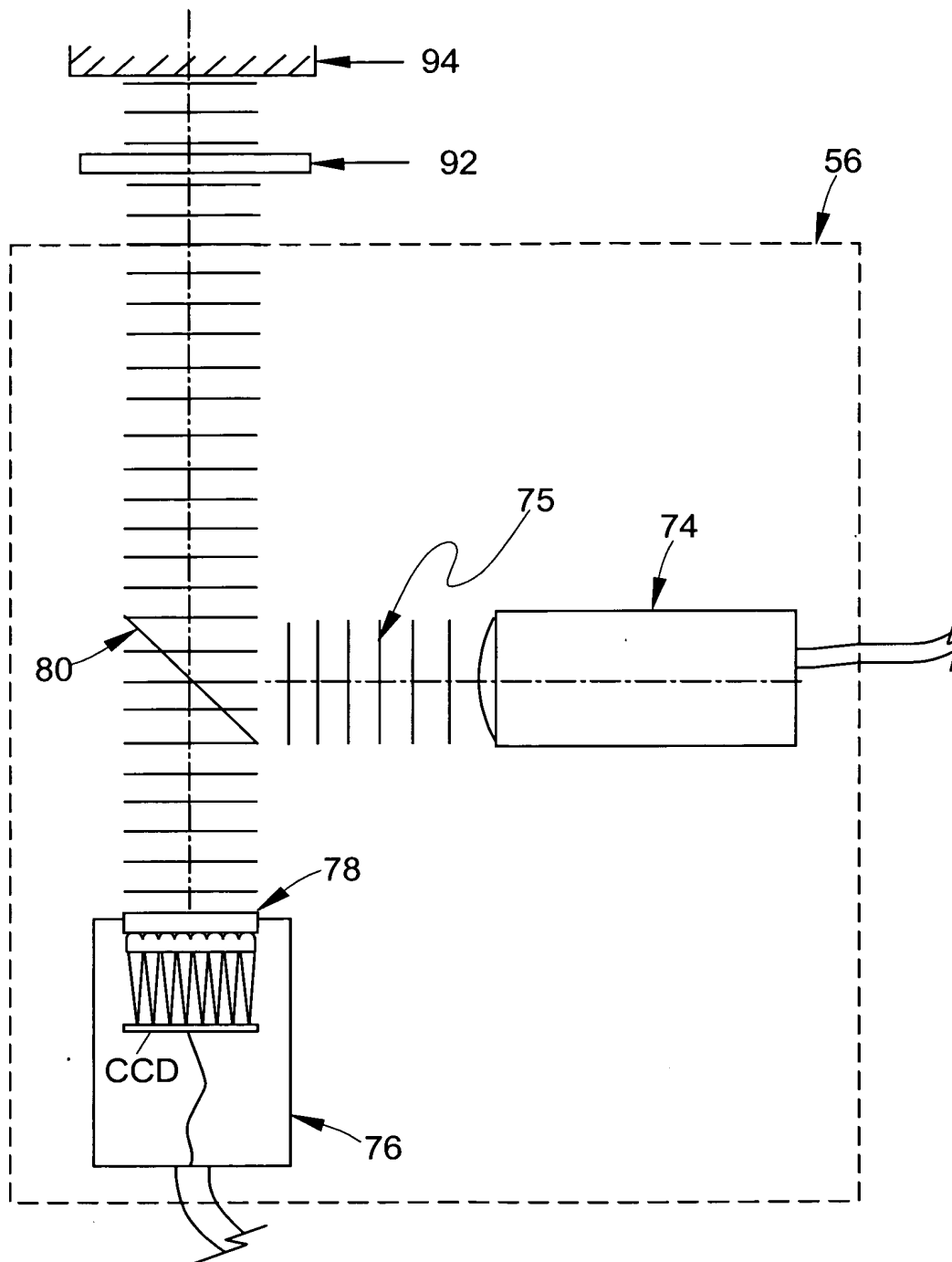


FIG. 20

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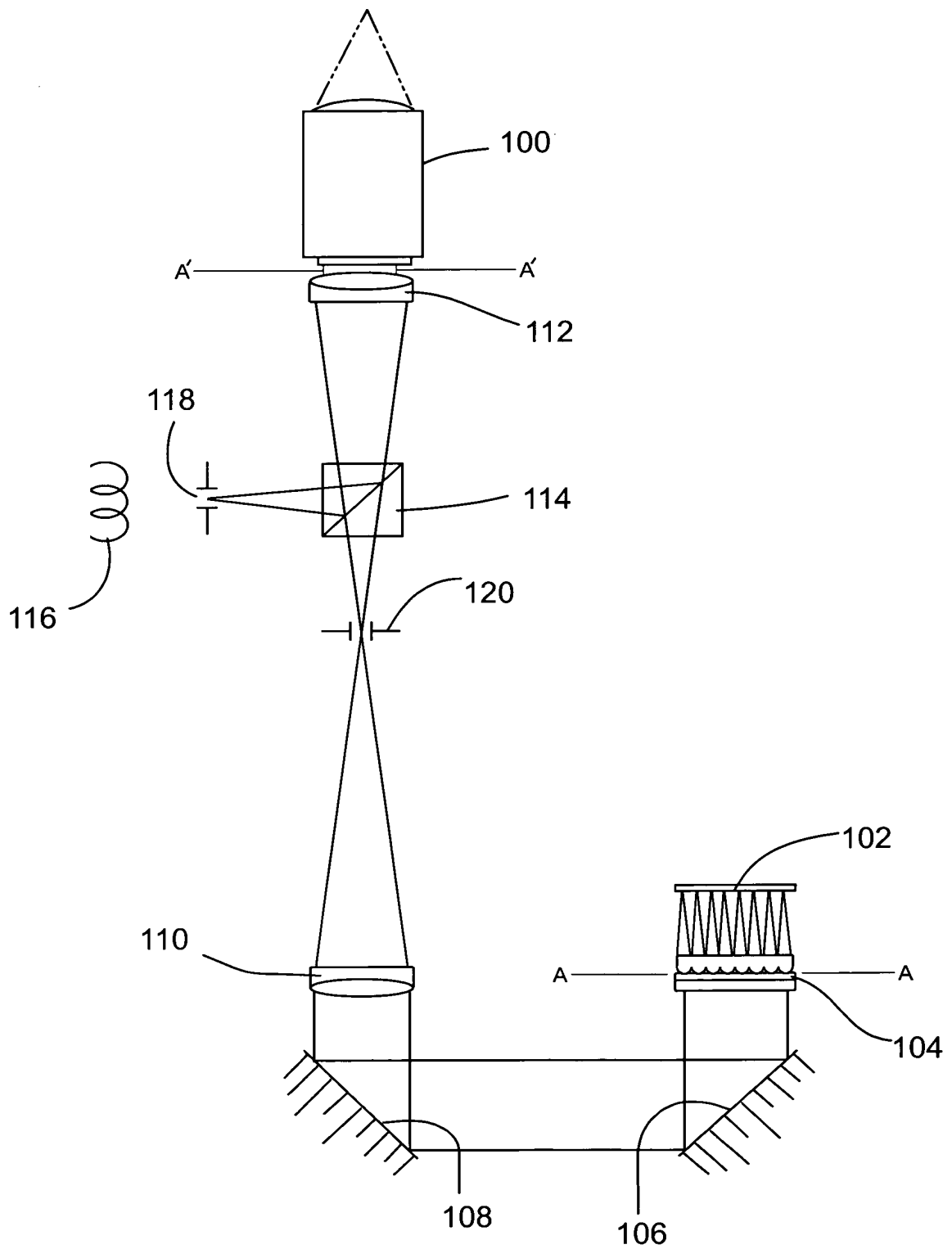


FIG. 21